

Patent Abstracts of Japan

PUBLICATION NUMBER : 08187889
PUBLICATION DATE : 23-07-96

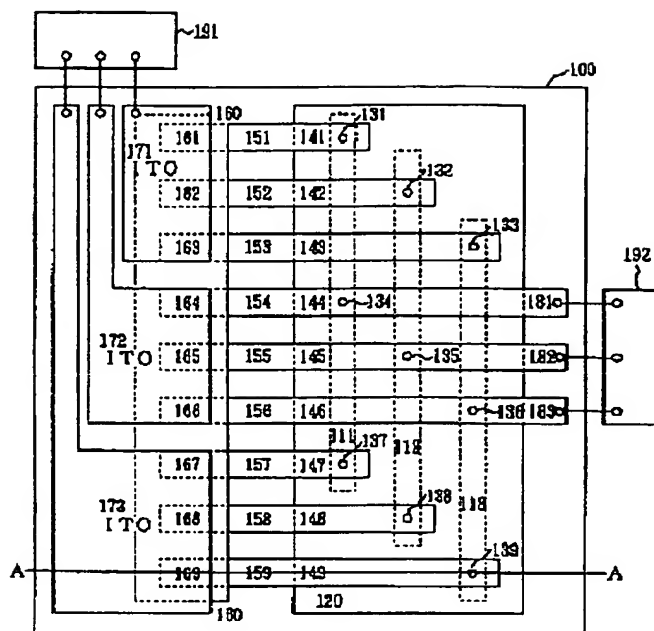
APPLICATION DATE : 11-01-95
APPLICATION NUMBER : 07002456

APPLICANT : OKI ELECTRIC IND CO LTD;

INVENTOR : NOBORI MASA HARU;

INT.CL. : B41J 2/44 B41J 2/45 B41J 2/455
G03B 27/50 G09F 9/30 H04N 1/036

TITLE : ORGANIC EL LIGHT EMITTING
ELEMENT ARRAY HEAD OF
ONE-DIMENSIONAL ARRAY AND
MANUFACTURE THEREOF



ABSTRACT : PURPOSE: To obtain seamless printing of a high quality by letting a light emitting element selectively emit light by matrix drive and reducing the number of driver ICs so as to reduce the cost.

CONSTITUTION: On an insulating substrate 100, a one-dimensional array light emitting element array using an organic EL material having rectifying property for a light emitting layer 160 and an $m \times n$ matrix electrode consisting of m block electrodes 171-173 and n individual signal electrodes 181-183 are formed, which are driven so as to form an organic EL light emitting element array head arranged one-dimensionally, and made to be a light source of an electrophotographic printer. For driving a matrix wiring of a light emitting element using an organic EL light emitting material having a low heat resistance, the matrix wiring is performed precedently and the light emitting element is manufactured thereafter. Accordingly, the organic EL light emitting element 160 is arranged one-dimensionally on the continuous insulating substrate 100, so that printing of high quality without cut lines among chips can be obtained.

COPYRIGHT: (C)1996,JPO

BEST AVAILABLE COPY